

Fig. 1A

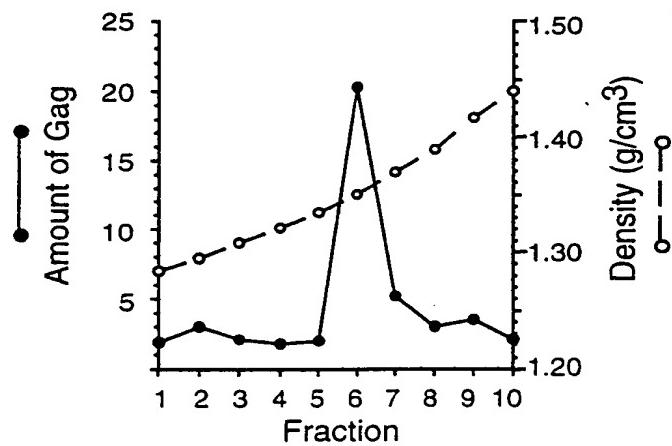


Fig. 1B

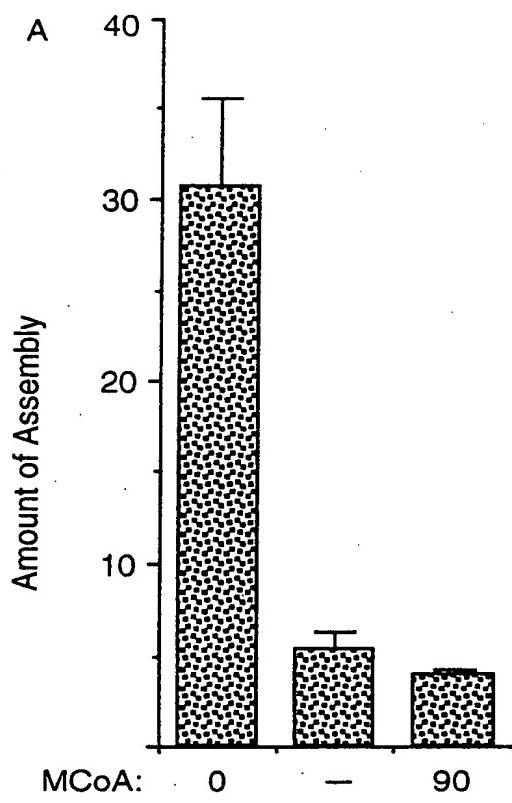


Fig. 2A

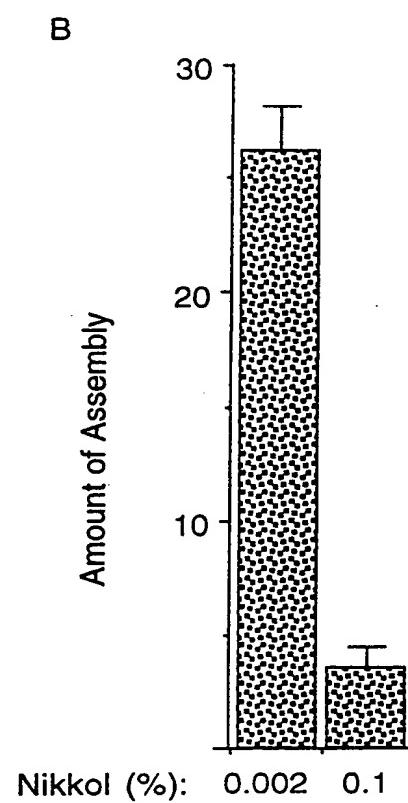


Fig. 2B

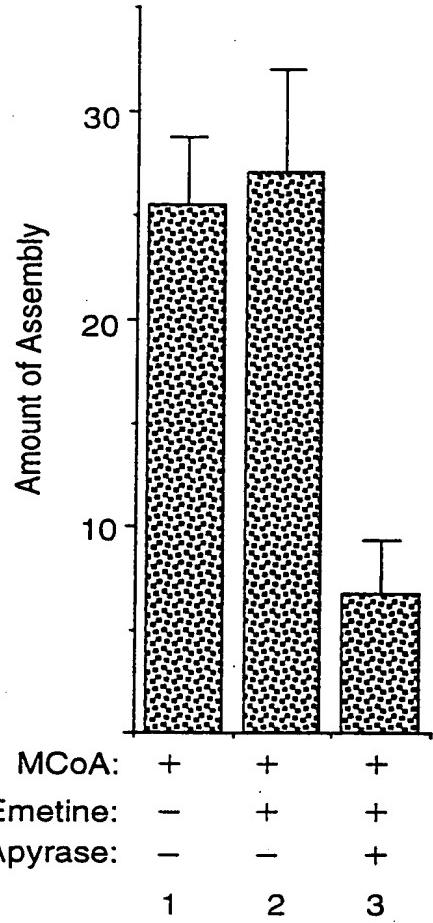


Fig. 3A

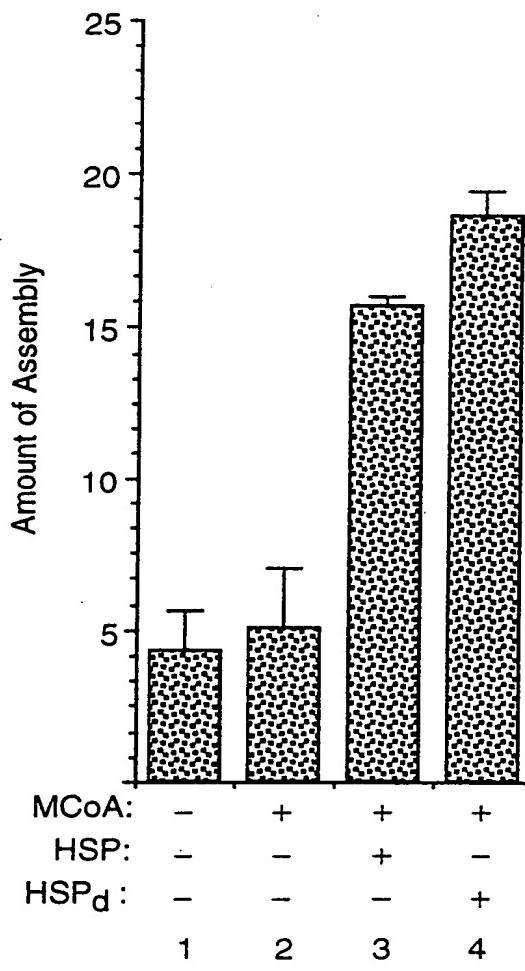


Fig. 3B

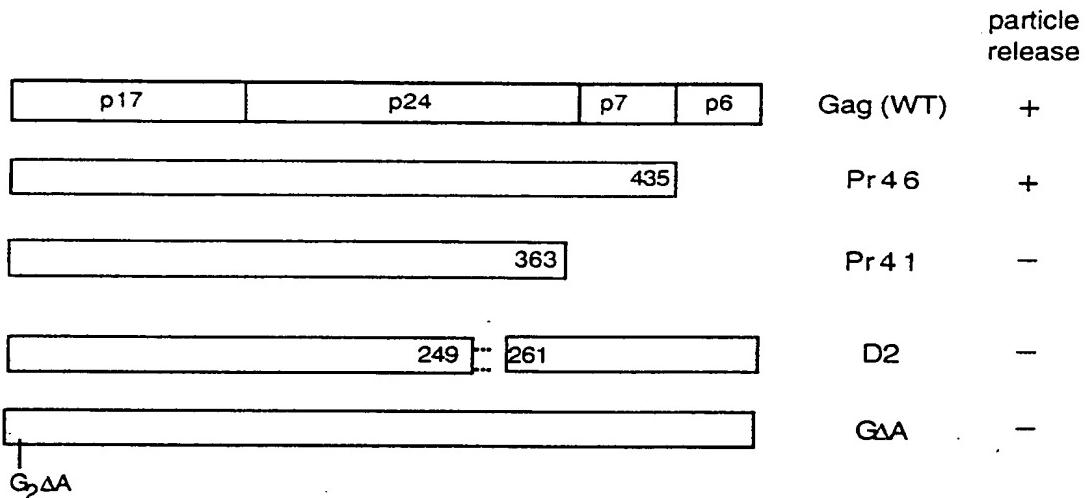


Fig. 4A

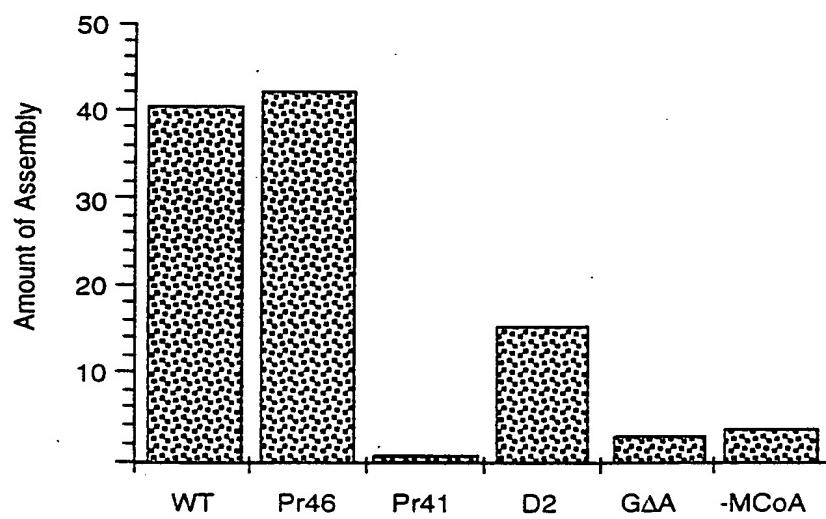


Fig. 4B

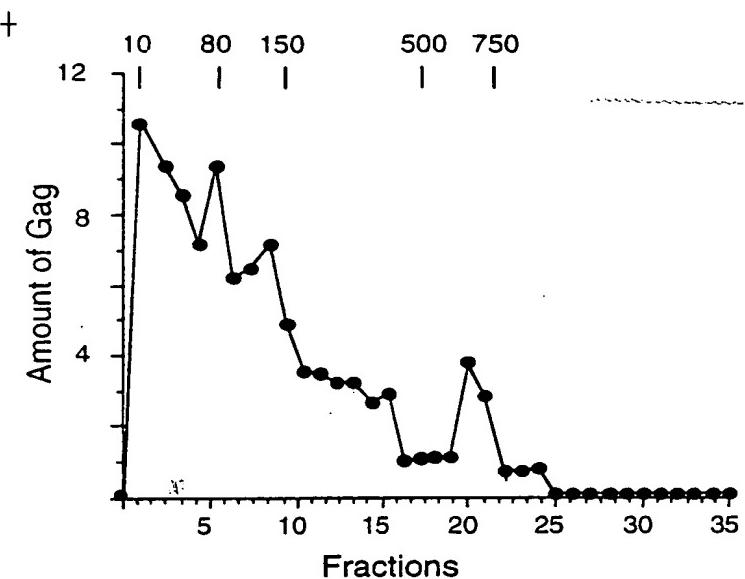


Fig. 5A

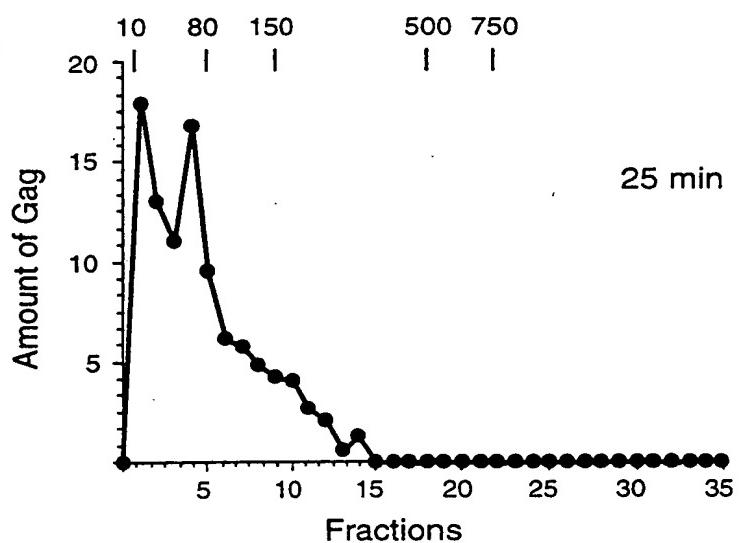


Fig. 5B

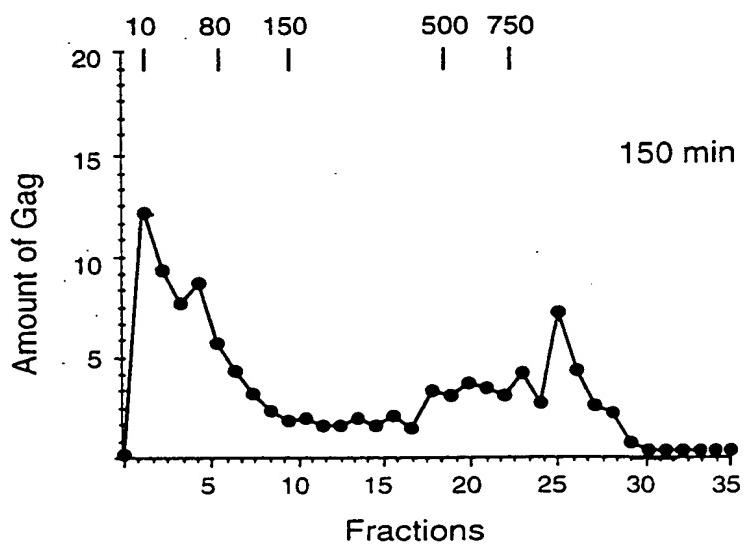


Fig. 5C

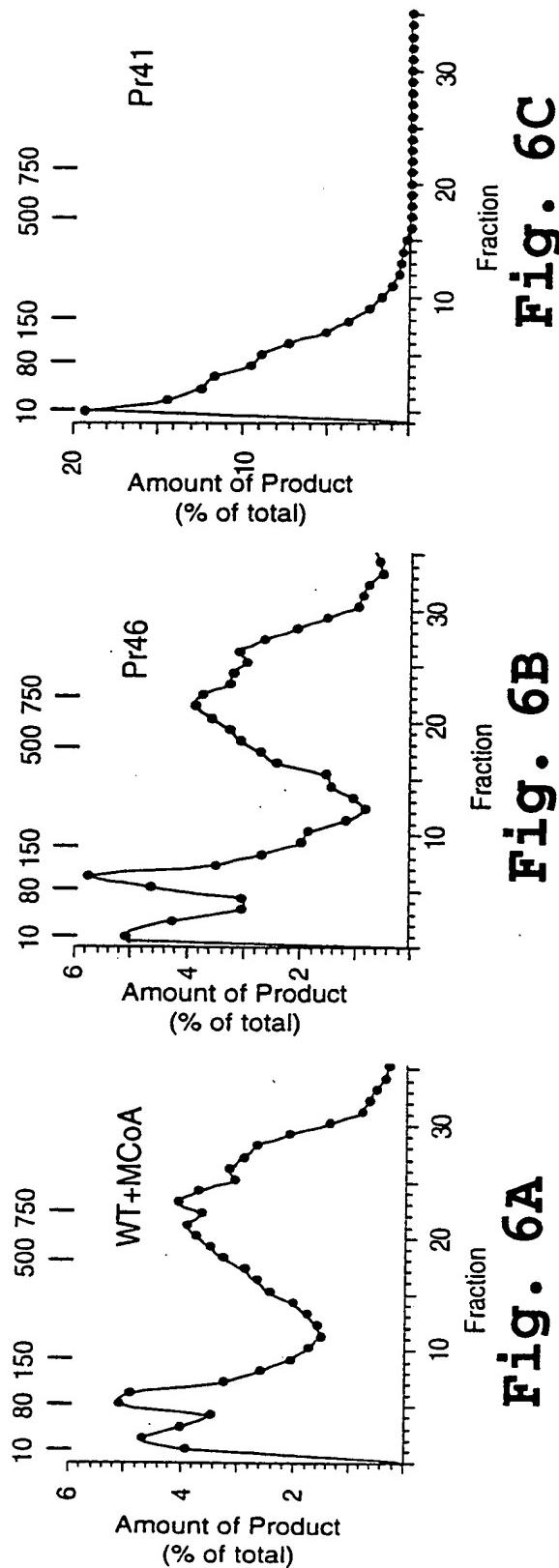


Fig. 6A

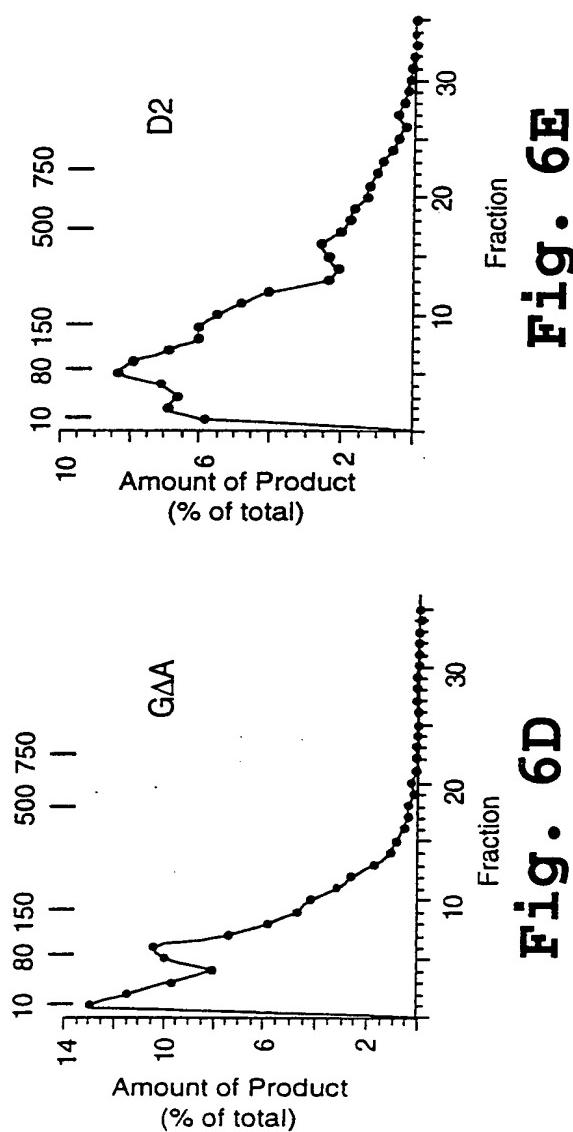


Fig. 6B

Fig. 6C

Fig. 6D

Fig. 6E

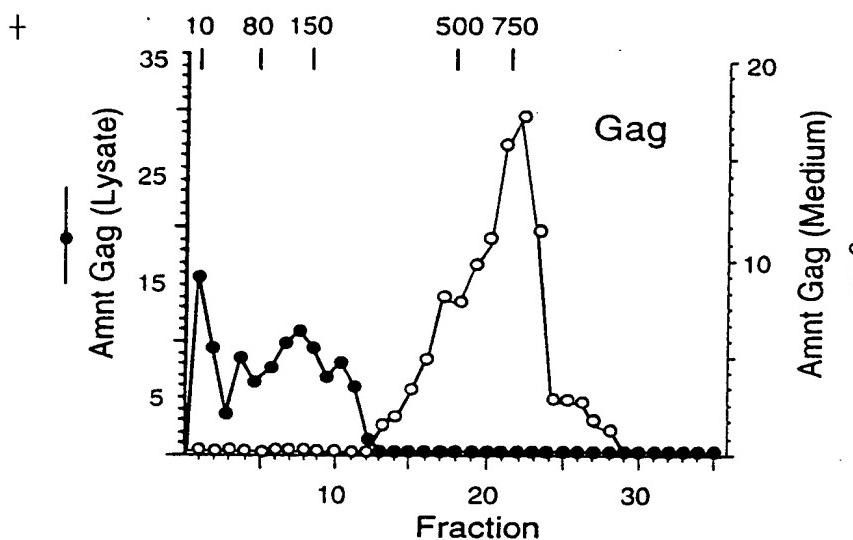


Fig. 7A

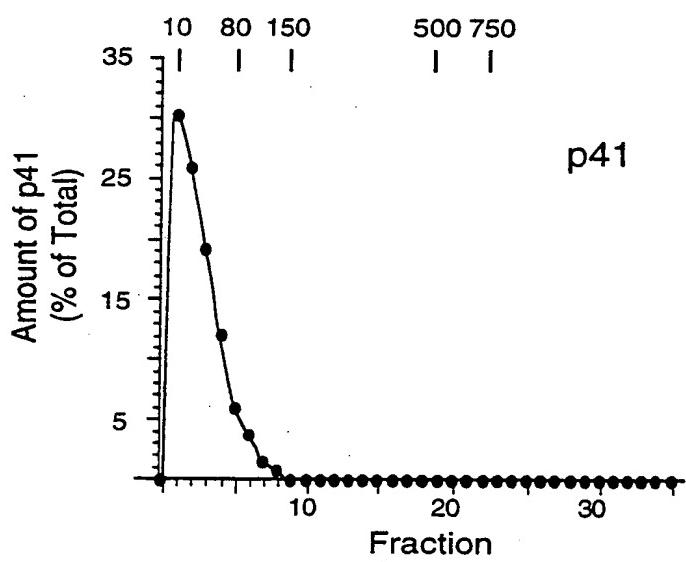


Fig. 7B

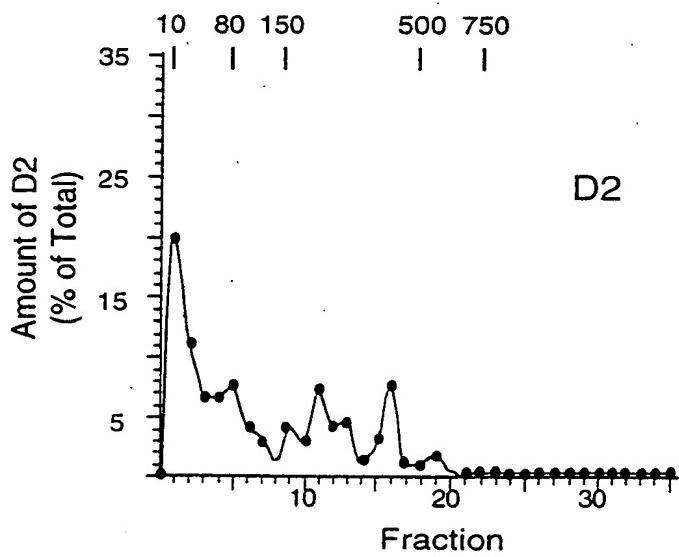


Fig. 7C

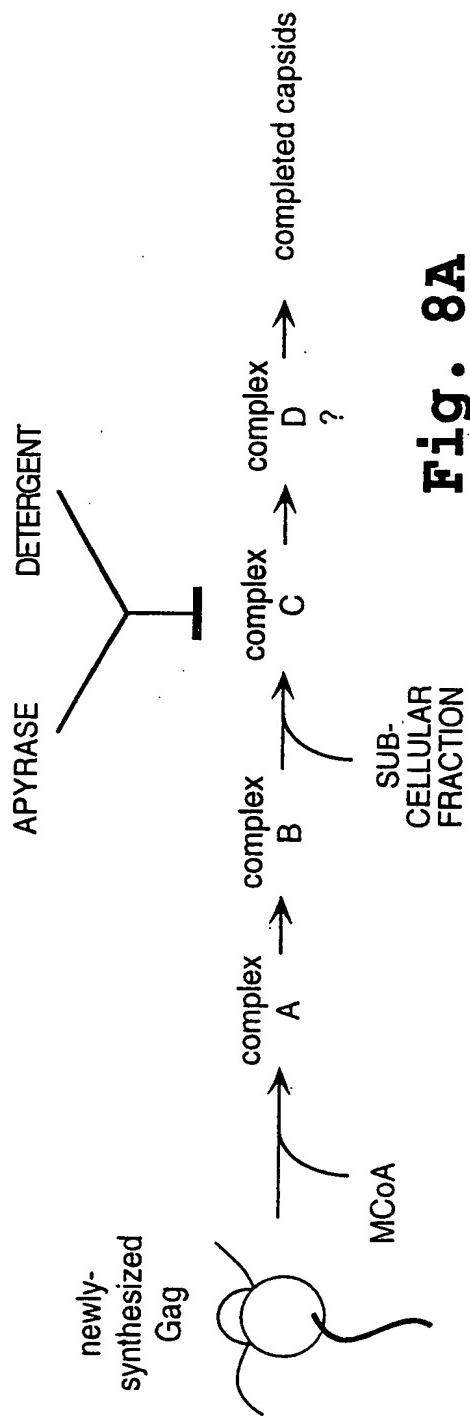


Fig. 8A

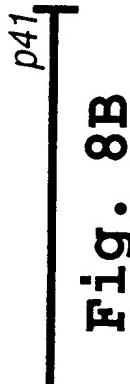


Fig. 8B

GAA
WT-MCoA



Fig. 8C

WT+MCoA
p46

Fig. 8E

HuHP68	1	MADKLTRIAVINHDCKPKKCRQECKSKCPVVRMGKLCIEVTQPSKIAWISETLCIGCGI
WGHP68	1	MADRLTRIAIVSEDCKPKKCRQECKSKCPVVKTGKLCIEVSPVAKLAFISEELCIGCGI
consensus	1	*****.*****.*****.*****.*****.*****.*****.*****.*****.*****.
 HuHP68	61	CIKKCPFGALSIVNLPNSLEKETTHRYCANAFKLHRLRPIPRGEVLGLVGTNGIGKSAAL
WGHP68	61	CVKKCPFDAIEIIINLPKDELKDTTHRYPNTFKLHRLPVPVRPGQVLGLVGTNGIGKSTAL
consensus	61	*.*****.**.*****.*****.*****.*****.*****.*****.*****.*****.
 HuHP68	121	KILAGKQKPNLGKYDDPPDWQEILTYFRGSELQNYFTKILEDDELKAIIKPKQYVARFLRLA
WGHP68	121	KVLAGKLPNLRGFKNPDWQEILTYFRGSELQNYFTRILEDNLKAIIKPKQYVDHIPKAV
consensus	121	*.*****.*****.*****.*****.*****.*****.*****.*****.*****.
 HuHP68	181	KGTVGSIIDRKDETKTQAIVCQQLDLTHIKERNVEDLSGGELQRFACAVVCIQKADIFMF
WGHP68	181	QGNVGQVLEQKDERDMKNELCDVLELNQVIDRNVGDLSGGELQRFIAIVAVQSAEYIMF
consensus	181	*.**.**.*.***.*.**.*.***.*****.*****.*****.*****.*****.
 HuHP68	241	[REDACTED]
WGHP68	241	DEPSSYLDVKQRLKAAITIRSLINPDRYLIIVVEHDLSVLDYLSDFICCLYGVPVSAYGVVT
consensus	241	*****.*****.*****.*****.*****.*****.*****.*****.*****.*****.
 HuHP68	301	MPFSVREGINIFFLDGYVPTENLRFRDASLVFKVAETAN-EEEVKKMCMYKYPGMKKKMGE
WGHP68	301	LPFSVREGINIFLAGFVPTENLRFRDASLVFKVAETQESAEVATYQRYKPTMSKTQGN
consensus	301	.*****.*****.*****.*****.*****.*****.*****.*****.*****.*****.
 HuHP68	360	FELAIIVAGEFTDSEIMVMLGENGTGKTTFIRMLAGRLKPD--EG--GEVPVLNVSYKPQK
WGHP68	361	FKLSVVEGEFTDSQIVVMLGENGTGKTTFIRMLAGLLKPDTEMEGTEVEIPEFNVSYKPQK
consensus	361	*.**.*****.*****.*****.*****.*****.*****.*****.*****.*****.
 HuHP68	416	ISPKSTGSVRQLLHEKIRDAYTHPQFVTDVMKPLQIENIIDQEVTLSGGELQRVRRLRC
WGHP68	421	ISPKFQHPVRHLHHSKIRDSYTHPQFVSDVMKPLQIEQLMDQEVINLSSGGELQRVALCLC
consensus	421	****.*****.*****.*****.*****.*****.*****.*****.*****.*****.
 HuHP68	476	LGKPADVYLIDEPSAYLDSEQRMLAARVVKRFILHAKKTAFFVEHDFIMATYLADRVIVF
WGHP68	481	LGKPADIYLIDEPSAYLDSEQRIVASKVIRKFILHAKKTAFFVEHDFIMATYLADKVIVY
consensus	481	*****.*****.*****.*****.*****.*****.*****.*****.*****.*****.
 HuHP68	536	[REDACTED]
WGHP68	541	DGVPSKNTVANSPTLLAGMNKFLSQLITEITFRRDPNNYRPRINKLNSIKDVEQKKSGNYF
consensus	541	EGLASIDCTANAPQSLVSGMNKFLSHLDITFRRDPNTYRPRINKLESTKDREQKNAGSYY
 HuHP68	596	FLDD
WGHP68	601	YLDD
consensus	601	***

Figure 9

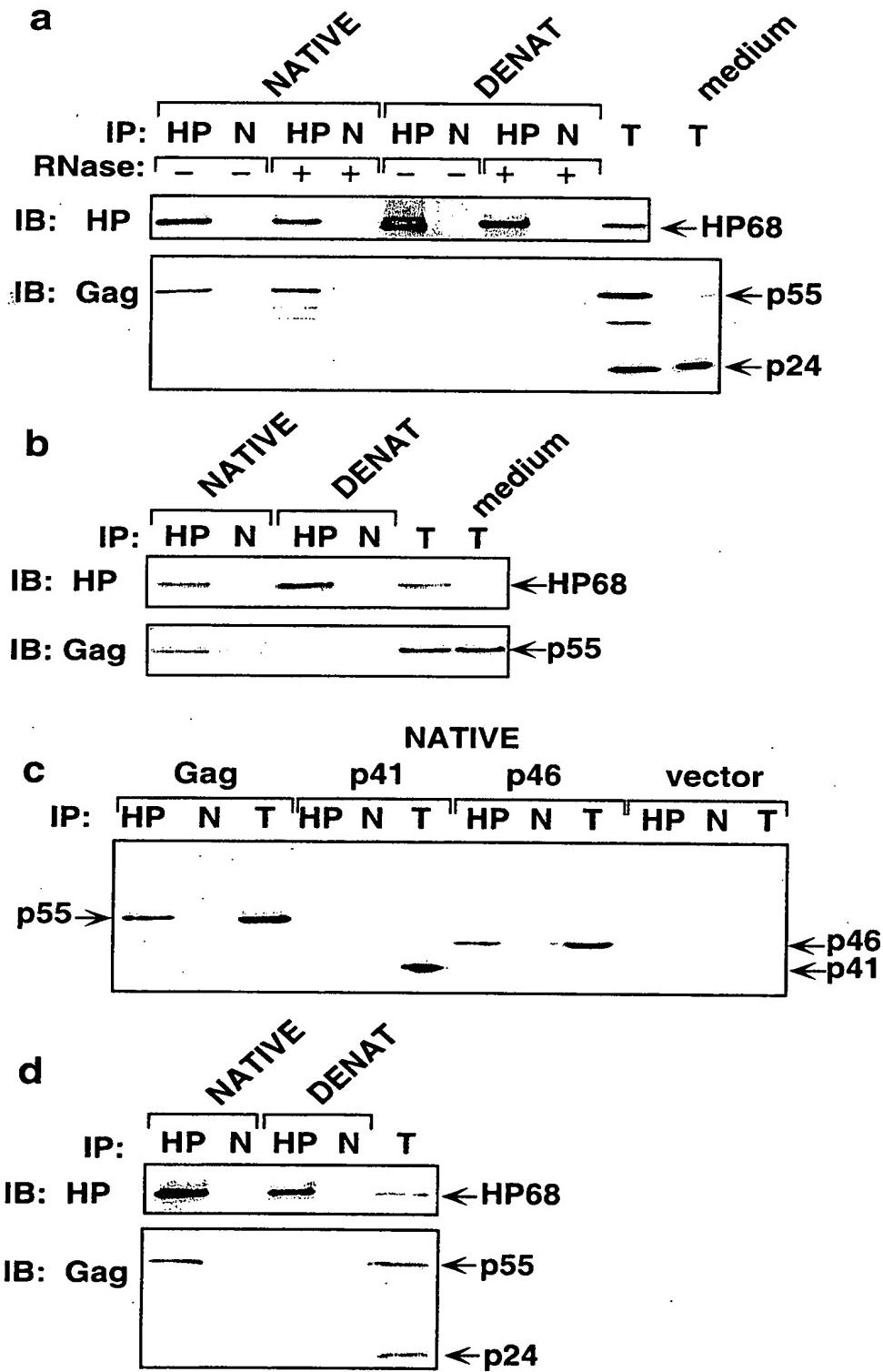


Figure 10

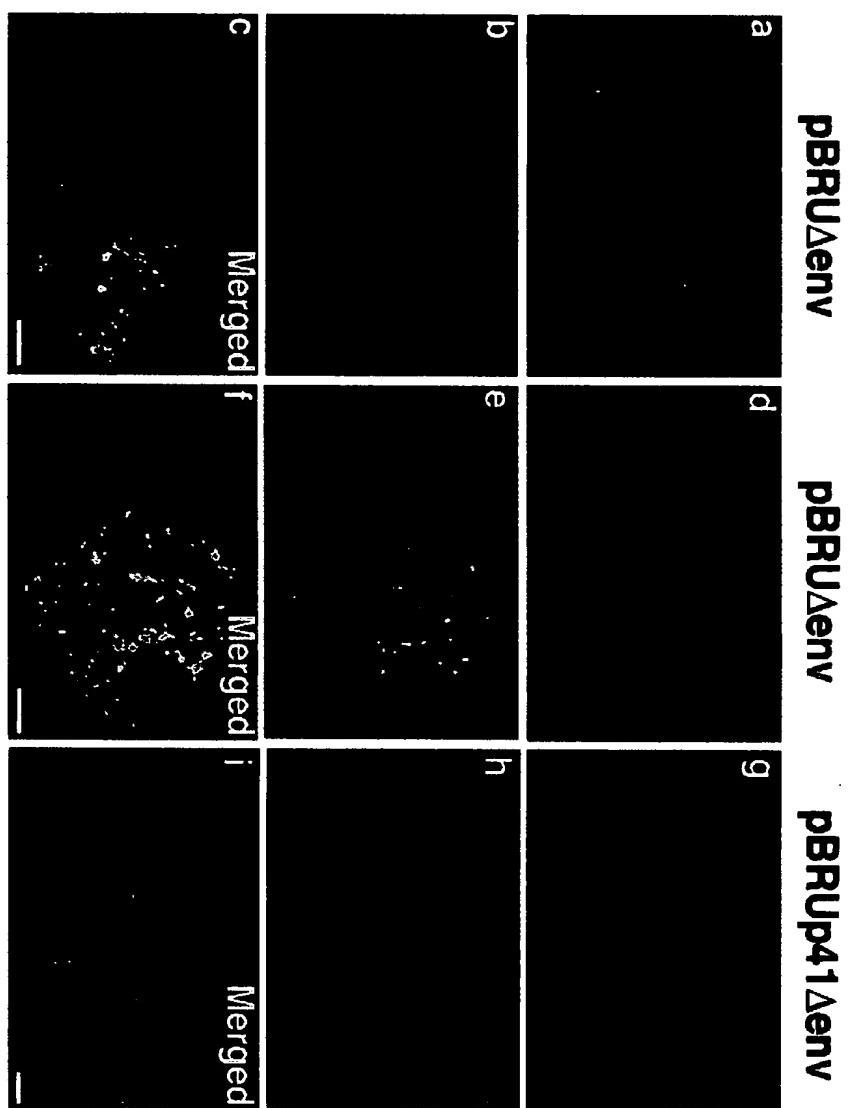


Figure 11

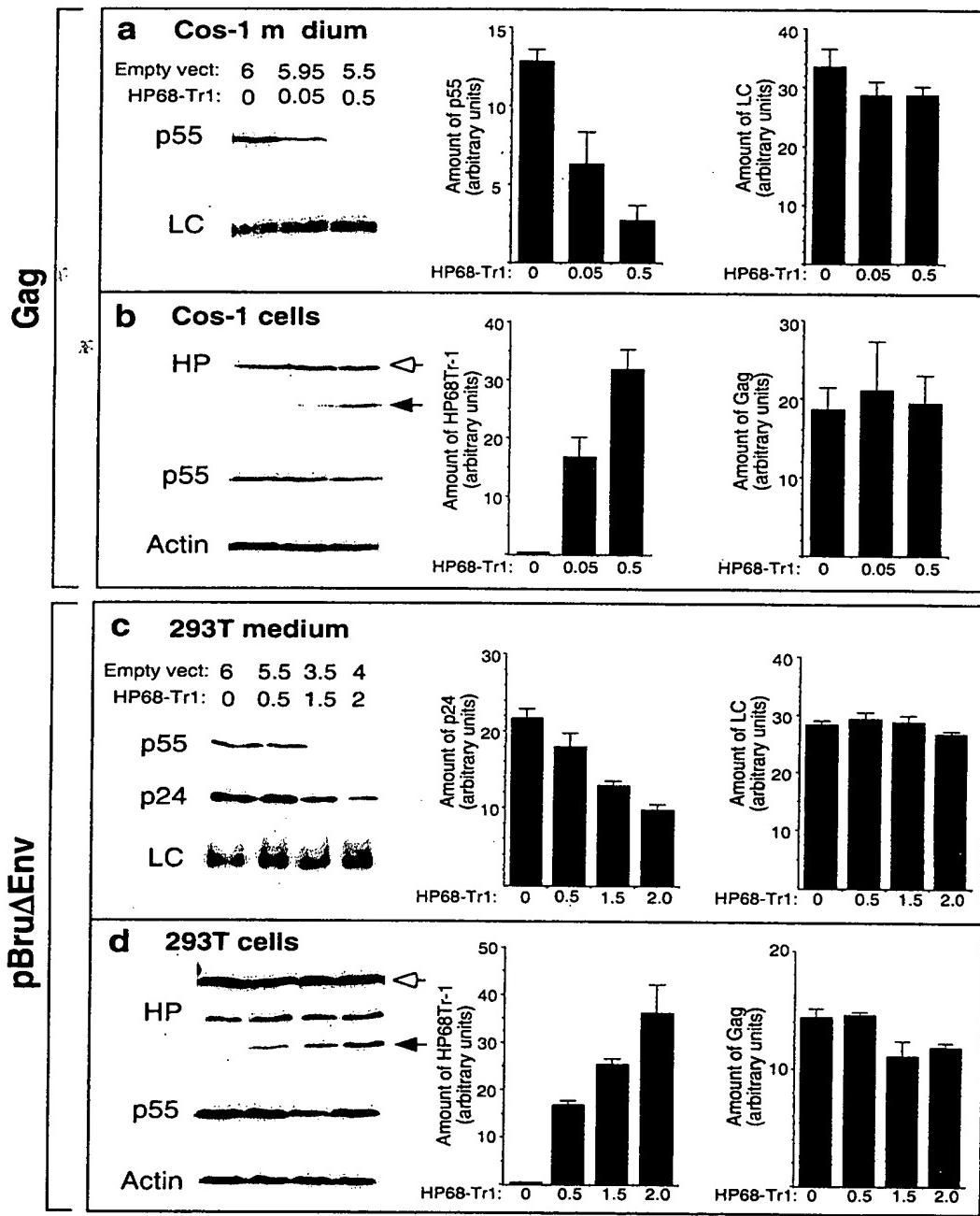


Figure 12

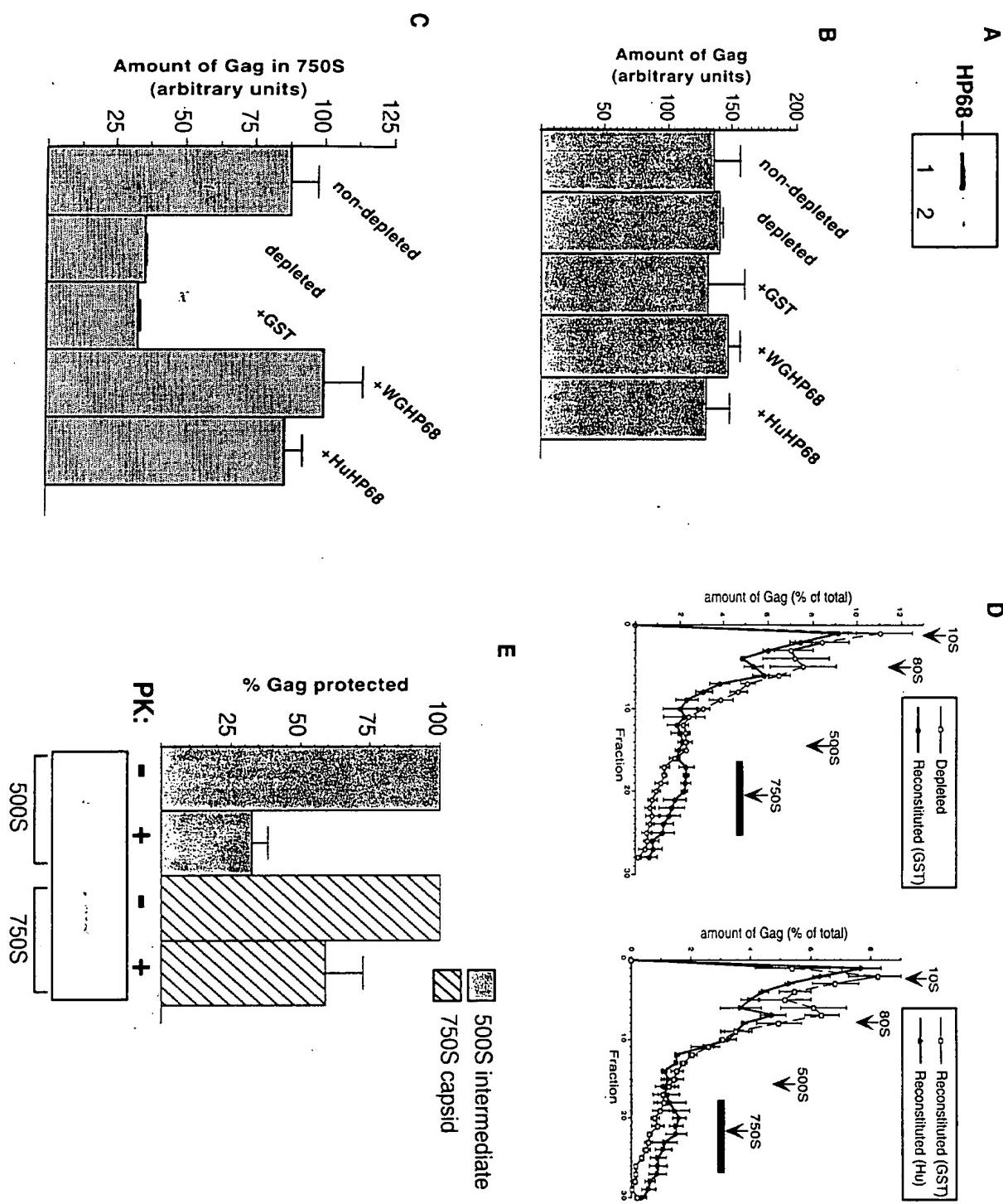


Figure 13

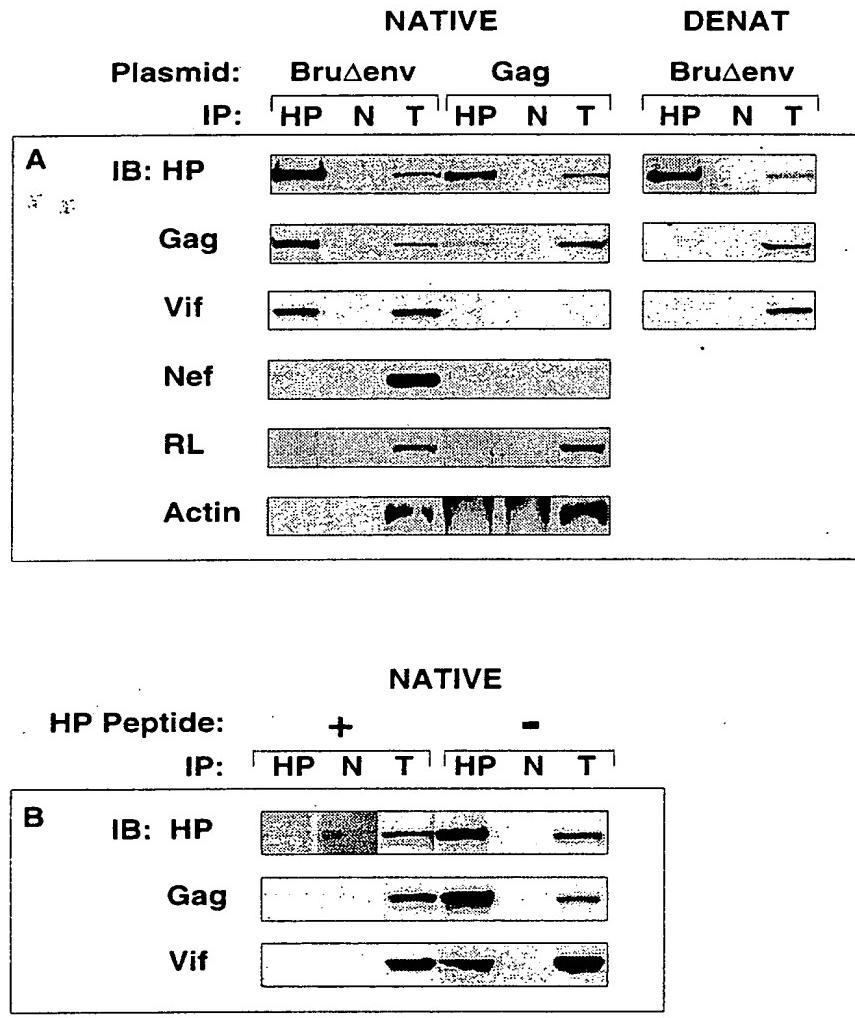


Figure 14

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